

Tables Showing the Masts and Spars, Rigging and Stores, etc. of Every Description,
Allowed to Different Classes of Vessels Belonging to the Navy of the United States

TABLES

SHOWING THE

MASTS AND SPARS, RIGGING AND STORES, &c.

OF EVERY DESCRIPTION,

ALLOWED TO THE DIFFERENT CLASSES OF VESSELS

BELONGING TO THE

NAVY OF THE UNITED STATES.



PREPARED BY THE BOARD OF NAVY COMMISSIONERS.

AND APPROVED

BY THE SECRETARY OF THE NAVY.

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1826.

DOCUMENTS: By Act of Congress dated February 7, 1815, the Board of Navy Commissioners was established. This Board's primary function, as Chapelle so aptly states in "History of the American Sailing Navy", was to "prepare rules and regulations necessary for securing uniformity of vessels, equipment and repairs or refitting..." In 1818 the Board published a volume titled "Rules, Regulations and Instructions for the Naval Services of the United States" which contained an appendix devoted to Tables of Allowances for the various classes of vessels in the Navy. This appendix was expanded and published as a separate document in 1826. On the next four pages the title page, table of contents and first table of this 1826 volume is reprinted. Model builders should find this table useful in reconstructing the spar plans of naval vessels for which no published list of masts and spars exist.



To amplify the rather short introduction given on page 146, the following data may be of interest. It was not until 1837 that the only Three Deck Ship of the Line, USS PENNSYLVANIA, was launched. She carried 120 guns instead of the 130 guns called for in the tables. Her tonnage was 3241 tons. You will find that the dimensions of her masts and yards follow the table given in Vol. 14, No. 2. On page 490 of Chapelle's HISTORY OF THE SAILING NAVY is a condensed list of her spars and masts. The next category, First Class Ships of the Line, include DELAWARE, 84 guns, 2633 tons, NORTH CAROLINA, 84 guns, 2633 tons, and OHIO, 84 guns and 2757 tons. Second Class Ships of the Line were FRANKLIN, 74 guns, 2257 tons, INDEPENDENCE, 74 guns, 2257 tons, and COLUMBUS, 80 guns and 2480 tons. In 1826, First Class Frigates included UNITED STATES, 50 guns, 1607 tons, CONSTITUTION, 50 guns, 1607 tons, POTOMAC, 50 guns, 1726 tons, and BRANDYWINE, 50 guns and 1726 tons. Second Class Frigates included CONSTELLATION, 38 guns, 1278 tons, and MACEDONIAN, 38 guns and 1325 tons. BOSTON and class, 18 guns, 700 tons, were rated as First Class Sloops in 1826, but were to be rated later as Second Class Sloops. ONTARIO, 16 guns, 559 tons, is an example of a Second Class Sloop under these tables. This is not a complete list of each class as many names of existing ships for 1826 are not shown.

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TABLE No. 1.

Masts and Spars.

TABLE No. 1.

CARPENTER'S DEPARTMENT.	SHIPS OF THE LINE.																		FRIGATES.					
	THREE DECKS.									TWO DECKS.									FIRST CLASS.					
	Length.						Diameter.						Mast heads.						Length.					
	Feet	inch	inch	10th	feet	inch	Feet	inch	inch	10th	feet	inch	Feet	inch	inch	10th	feet	inch	Feet	inch	inch	10th	feet	inch
Main Mast, . . .	132	.	41	.	22	.	124	6	40	.	20	.	117	.	36	5	20	.	105	.	34	6	18	.
“ Top Mast, . .	70	.	21	5	12	.	70	.	21	5	12	.	70	.	21	5	10	.	63	.	19	3	9	7
“ Top-gallant Mast,	41	.	12	.	6	.	41	.	12	.	6	.	41	.	12	.	6	.	37	6	11	.	5	6
“ Royal Mast, .	24	.	9	5	.	.	24	.	9	5	.	.	24	.	9	5	.	.	22	.	8	8	.	.
“ Sky-sail Mast,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	37	.	6	3	.	.
“ Flag Pole, . .	6	.	.	.	.	.	6	.	.	.	.	.	6	.	.	.	.	.	6	.	.	.	.	.
Fore Mast, . . .	120	.	37	.	20	.	115	.	36	5	18	.	105	.	33	.	18	.	95	.	31	5	16	.
“ Top Mast, . .	63	.	21	5	10	6	63	.	21	5	10	6	63	.	21	5	10	6	56	.	19	3	9	6
“ Top-gallant Mast,	37	6	12	.	5	6	37	6	12	.	5	6	37	6	12	.	5	6	33	6	11	.	4	6
“ Royal Mast, . .	22	.	8	7 $\frac{1}{2}$	.	.	22	.	8	7 $\frac{1}{2}$	.	.	22	.	8	7 $\frac{1}{2}$	.	.	20	.	7	5	.	.
“ Sky-sail Mast, .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	34	.	5	5	.	.
“ Flag Pole, . .	6	.	.	.	.	.	6	.	.	.	.	.	6	.	.	.	.	.	6	.	.	.	.	.
Mizen Mast, . . .	110	.	27	.	17	.	105	.	26	5	16	.	98	.	26	.	16	.	84	.	24	.	12	4
“ Top Mast, . .	55	.	16	5	9	.	55	.	16	5	9	.	53	.	16	5	9	.	46	4	13	5	6	8
“ Top-gallant Mast,	33	6	9	5	4	6	33	6	9	5	4	6	33	6	9	5	4	6	24	6	8	5	4	.
“ Royal Mast, . .	20	.	7	.	.	.	20	.	7	.	.	.	20	.	7	.	.	.	16	.	6	.	.	.
“ Sky-sail Mast, .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	28	.	4	6	.	.
“ Flag Pole, . .	5	.	.	.	.	.	5	.	.	.	.	.	5	.	.	.	.	.	5	.	.	.	.	.
Main Yard, . . .	110	.	24	.	5	.	107	6	23	5	5	.	105	.	23	5	5	.	95	.	20	.	4	9
“ Top-sail Yard, .	82	.	18	.	7	.	78	.	17	5	6	6	77	.	17	.	6	6	71	6	16	.	6	.
“ Top-gallant Yard,	52	.	10	5	2	.	52	.	10	5	2	.	51	.	10	5	2	.	45	.	9	5	2	6
“ Royal Yard, . .	36	.	7	.	1	6	36	.	7	.	1	6	35	1	7	.	1	6	30	.	6	5	1	6
“ Sky-sail Yard, .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	4	5	1	.
Fore Yard, . . .	100	.	23	.	5	.	96	.	21	5	5	.	90	.	21	.	4	.	84	.	18	5	4	6
“ Top-sail Yard, .	75	.	16	.	6	6	71	.	16	.	6	.	67	.	15	.	5	6	62	.	14	7	5	3
“ Top-gallant Yard,	48	.	9	5	2	.	46	.	9	5	2	.	45	.	9	4	2	.	41	.	9	.	2	3
“ Royal Yard, . .	33	.	6	5	1	6	33	.	6	5	1	6	30	5	6	.	1	3	27	.	6	.	1	4
“ Sky-sail Yard, .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	18	.	4	.	.	9

MASTS AND SPARS.

1

FRIGATES.						SLOOPS.												BRIGS.						SCHOONERS.					
SECOND CLASS.						FIRST CLASS.						SECOND CLASS.																	
Length.		Diameter.		Mast heads.		Length.		Diameter.		Mast heads.		Length.		Diameter.		Mast heads.		Length.		Diameter.		Mast heads.		Length.		Diameter.		Mast heads.	
Feet	inch	Inch	10th	feet	inch	Feet	inch	Inch	10th	feet	inch	Feet	inch	Inch	10th	feet	inch	Feet	inch	Inch	10th	feet	inch	Feet	inch	Inch	10th	feet	inch
95	.	31	5	16	.	80	.	26	.	14	.	75	.	23	5	12	.	72	2	22	2	12	2	78	8	20	5	8	.
56	.	17	.	9	6	47	.	15	.	7	.	45	.	15	.	6	9	40	6	12	6	6	9	26	2	7	5	.	.
33	6	10	.	4	6	24	.	9	.	.	.	22	.	7	5	.	.	20	3	7	6	.	.	13	1	5	.	.	.
20	.	6	6	.	.	16	.	5	6	3 pole	.	14	.	5	.	.	.	12	.	4	7	.	.	.	.	.	.	.	.
35	.	5	2	.	.	30	.	5	.	.	.	26	.	4	.	.	.	21	.	3	8	.	.	.	.	.	.	.	.
6	.	.	.	.	.	5	.	.	.	.	.	4	.	.	.	.	.	3	.	.	.	.	.	3	.	2	5	.	.
86	.	28	.	14	6	72	.	23	.	12	.	67	6	21	3	11	.	64	8	22	3	11	3	75	8	22	.	8	.
51	.	17	.	8	4	43	.	15	.	6	9	42	.	15	.	6	4	40	6	12	6	6	9	26	2	8	5	.	.
30	.	10	.	4	4	23	.	9	.	.	.	21	.	7	.	.	.	20	3	7	6	.	.	13	1	5	5	.	.
18	.	6	6	.	.	15	.	5	6	2.6 pole	.	11	6	5	.	.	.	11	6	5	7	.	.	.	.	.	.	.	.
32	.	5	2	.	.	28	.	5	.	.	.	25	.	4	.	.	.	20	.	3	8	.	.	.	.	.	.	.	.
6	.	.	.	.	.	5	.	.	.	.	.	4	.	.	.	.	.	3	.	.	.	.	.	3	.	2	5	.	.
76	.	20	.	11	.	66	.	18	.	10	.	63	9	15	.	10	.	.	.	.	.	.	.	.	.	.	.	.	.
41	.	12	.	6	.	37	.	12	.	6	.	32	.	10	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.
21	.	6	5	4	.	20	.	7	.	.	.	16	.	5	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	.	4	6	.	.	13	.	4	.	2 pole	.	12	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
25	.	.	.	.	.	23	.	.	.	.	.	21	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4	.	.	.	.	.	4	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
yard arm						yard arm						yard arm						yard		arm				yard		arm			
86	6	19	.	4	4	75	.	16	8	3	9	67	6	15	.	4	.	59	6	12	6	3	.	.	.	.	.	.	.
65	.	15	.	5	6	56	.	12	2½	5	.	50	6	11	.	4	.	44	7	10	1	3	8	.	.	.	.	.	.
40	.	8	.	2	3	37	.	7	5	2	.	34	.	7	.	2	.	28	4	6	4	1	4	.	.	.	.	.	.
27	.	5	5	1	3	25	.	5	.	1	.	22	9	4	5	.	9	18	11	4	2	.	11	.	.	.	.	.	.
18	.	3	7	1	.	16	5	3	3	.	6½	15	3	3	.	.	.	12	7	2	8	.	7	.	.	.	.	.	.
76	.	18	.	4	.	65	.	15	5	3	3	60	9	14	.	3	8	59	6	12	6	3	.	50	.	11	5	2	6
57	.	13	.	5	.	49	.	11	2½	4	8	45	6	10	6	3	8	44	7	10	1	3	8	33	4	7	5	2	6
38	.	7	5	2	.	32	.	7	.	1	9	30	6	6	2	1	10	28	4	6	4	1	4	22	2	5	.	1	.
25	.	5	.	1	.	22	.	4	5	.	9	20	6	4	.	.	8	18	11	4	2	.	11	.	.	.	.	.	.
16	.	3	5	.	8	14	6	3	.	.	6½	13	9	2	8	.	.	12	7	2	8	.	7	.	.	.	.	.	.

TABLE No. 1.---Continued.

	SHIPS OF THE LINE.															FRIGATES.									
	THREE DECKERS.						TWO DECKERS.									FIRST CLASS.									
							FIRST CLASS.						SECOND CLASS.												
	Length.		Diamet'r.		Yard arm.	Length.		Diamet'r.		Yard arm.	Length.		Diamet'r.		Yard arm.	Length.		Diamet'r.		Yard arm.					
	feet	inch	inch	10th	feet	inch	feet	inch	inch	10th	feet	inch	feet	inch	inch	10th	feet	inch	feet	inch	inch	10th	feet	inch	
Cross Jack Yard,	80	.	16	.	7	6	80	.	16	.	7	6	80	.	16	.	7	.	66	.	14	.	7	.	
Mizen Top sail Yard,	52	.	11	.	4	.	52	.	11	.	4	.	49	.	11	3	3	9	45	.	10	.	3	6	
“ Top-gallant Yard,	33	.	6	5	1	6	33	.	6	5	1	6	32	.	7	.	1	6	30	.	6	.	1	6	
“ Royal Yard,	23	.	4	5	1	.	23	.	4	5	1	.	21	9	4	5	.	11	19	.	4	.	.	9	
“ Sky-sail Yard,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13	.	3	.	.	6	
Sprit-sail Yard,	52	.	11	.	4	.	52	.	11	.	4	.	49	.	10	5	3	.	44	6	10	.	5	9	
Bow Sprit,	81	.	.	.	.	.	78	.	.	.	.	.	72	.	.	.	.	.	66	.	.	.	.	.	
Jib Boom,	60	.	cap	5	.	.	60	.	cap	5	.	.	54	.	cap	3	.	.	50	.	cap	14	3	.	.
Flying Jib Boom,	61	.	10	5	*5	.	61	.	10	5	*5	pole	56	.	11	.	*4	pole	54	.	9	5	*4	pole	
Jib of Jib Boom,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Spanker Boom,	60	.	13	.	.	.	60	.	13	.	.	.	60	.	13	.	.	.	50	.	11	.	.	.	
Mizen Gaff,	38	.	9	.	*5	pole	38	.	9	.	*5	pole	38	.	9	.	*5	pole	32	.	8	.	*4	pole	
Main Gaff,	33	.	8	.	.	.	33	.	8	.	.	.	30	.	8	.	.	.	30	.	8	.	.	.	
Fore Gaff,	37	.	9	.	.	.	37	.	9	.	.	.	36	.	8	5	.	.	36	.	8	5	.	.	
Ring-tail Boom,	34	.	7	.	.	.	34	.	7	.	.	.	34	2	7	.	.	.	29	2	5	8	.	.	
Do. Yard,	15	.	3	5	.	.	15	.	3	5	.	.	15	.	3	5	.	.	14	7	3	5	.	.	
Lower Swinging Boom,	65	.	12	.	.	.	60	.	11	.	.	.	58	.	11	.	.	.	51	3	10	.	.	.	
Do. do. Yard	31	.	5	5	.	.	31	.	5	5	.	.	31	.	5	5	.	.	31	.	5	5	.	.	
Fore Top Mast stud'g. sail Boom,	52	.	10	5	.	.	51	.	10	.	.	.	47	6	10	.	.	.	42	6	9	.	.	.	
Do. do. Yard,	31	.	6	.	.	.	31	.	6	.	.	.	27	.	5	5	.	.	24	.	5	.	.	.	
Fore Top-gallant do. Boom,	37	.	7	.	.	.	37	.	7	.	.	.	36	.	7	.	.	.	32	.	6	5	.	.	
Do. do. Yard,	22	.	4	.	.	.	22	.	4	.	.	.	20	6	4	.	.	.	18	.	4	.	.	.	
Fore Royal do. Boom,	25	.	4	5	.	.	25	.	4	5	.	.	23	.	4	.	.	.	21	.	4	.	.	.	
Do. do. Yard,	13	.	3	2½	.	.	13	.	3	2½	.	.	12	.	3	.	.	.	12	.	3	.	.	.	
Main Top Mast stud'g. sail Boom,	57	.	11	.	.	.	57	.	10	.	.	.	55	.	10	.	.	.	49	.	10	.	.	.	
Do. do. Yard,	34	.	6	.	.	.	34	.	6	.	.	.	31	6	6	.	.	.	28	.	5	5	.	.	
Main Top-gallant do. Boom,	40	.	7	5	.	.	40	.	7	5	.	.	40	.	7	5	.	.	36	6	7	.	.	.	
Do. do. Yard,	23	.	4	4	.	.	23	.	4	4	.	.	23	.	4	.	.	.	21	.	4	.	.	.	
Square-sail Boom,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Do. Yard,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
Gaff Top-sail Yard,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	

*All Poles not included.

MASTS AND SPARS.

2

FRIGATES.						SLOOPS.												BRIGS.						SCHOONERS.					
SECOND CLASS.						FIRST CLASS.						SECOND CLASS.																	
Length.		Diameter.		Y'd arms.		Length.		Diameter.		Y'd arms.		Length.		Diameter.		Y'd arms.		Length.		Diameter.		Y'd arms.		Length.		Diameter.		Y'd arms.	
feet	inch	inch	10th	feet	inch	feet	inch	inch	10th	feet	inch	feet	inch	inch	10th	feet	inch	feet	inch	inch	10th	feet	inch	feet	inch	inch	10th	feet	inch
65	1	13	.	6	6	53	.	11	.	4	9	51	10	10	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.
40	.	9	.	3	6	36	6	8	.	3	6	34	.	7	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.
26	.	5	2	1	4	22	6	4	7½	1	4	21	6	5	2	1	3	.	.	.	.	.	.	.	.	.	.	.	.
16	.	3	2	.	8	15	.	3	2½	.	6	14	.	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	.	2	7	.	6	10	7	2	.	.	4	10	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
40	.	9	.	3	6	36	.	8	.	3	.	34	.	7	.	2	.	30	.	7	.	.	.	.	.	.	.	.	.
60	.	.	.	.	.	50	.	.	.	.	.	48	.	.	.	.	.	42	.	.	.	.	.	.	29	1	18	.	.
45	.	cap 13	.	.	.	38	.	cap 11	.	.	.	34	6	cap 10	.	.	.	32	5	8	5	.	.	.	37	.	11	.	.
45	.	9	.	4	pole	40	.	8	.	*3	pole	38	9	7	5	*	pole	34	5	7	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	25	10	4	2	.	.	.	.	.	.	.	.
45	.	10	.	.	.	35	.	8	.	.	.	34	.	8	.	.	.	59	6	12	.	.	.	.	M. B. 50	.	11	5	.
30	.	7	.	*4	pole	28	.	6	5	*4	pole	28	.	6	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
27	.	7	.	.	.	19	5	5	.	.	.	19	5	5	.	.	.	39	8	8	6	.	.	.	25	.	8	.	.
33	.	8	.	.	.	26	.	6	.	.	.	25	.	5	5	.	.	.	.	.	.	.	.	.	25	.	8	5	.
26	9	5	8	.	.	23	10	5	6	.	.	22	6	5	5	.	.	20	9	5	.	.	.	.	25	.	6	5	.
13	4	3	5	.	.	12	.	3	3	.	.	11	3	3	3	.	.	10	5½	2	5	.	.	.	8	4	3	.	.
46	3	9	3	.	.	42	.	9	.	.	.	40	9	8	5	.	.	31	6	6	2	.	.	.	22	.	5	.	.
25	.	5	.	.	.	24	.	5	.	.	.	20	4	4	.	.	.	17	6	3	5	.	.	.	8	8	3	.	.
39	.	8	3	.	.	35	.	7	.	.	.	31	8	6	5	.	.	29	6	6	2	.	.	.	26	6	5	5	.
22	.	4	5	.	.	20	.	4	.	.	.	17	4	3	5	.	.	15	6	3	5	.	.	.	12	.	3	5	.
30	.	6	.	.	.	26	6	5	3	.	.	23	8	4	7	.	.	20	6	4	.	.	.	.	17	6	4	.	.
17	.	3	5	.	.	15	.	3	.	.	.	13	.	2	8	.	.	11	6½	2	2	.	.	.	6	3	2	5	.
17	6	3	7	.	.	17	.	3	5	.	.	15	10	3	2	.	.	12	6	2	8	.	.	.	.	.	.	.	.
10	.	2	3	.	.	9	6	2	.	.	.	8	9	2	.	.	.	8	2½	1	7½	.	.	.	.	.	.	.	.
45	.	9	3	.	.	40	.	8	.	.	.	35	6	7	2	.	.	30	6	6	2	.	.	.	.	.	.	.	.
26	.	5	3	.	.	21	9	4	2	.	.	19	6	4	.	.	.	17	6	3	5	.	.	.	.	.	.	.	.
34	.	7	.	.	.	29	6	6	.	.	.	26	3	5	5	.	.	22	6	4	.	.	.	.	.	.	.	.	.
19	6	4	.	.	.	16	6	3	5	.	.	14	4	3	.	.	.	13	.	2	2	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	45	.	9	7	.
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	22	8	5	.	.
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	22	8	4	5	.

TABLE No. I.—Continued.

	SHIPS OF THE LINE OF														FRIGATES.					
	THREE DECKS.					TWO DECKS.									FIRST CLASS.					
						FIRST CLASS.					SECOND CLASS.									
	Length.		Diamet'r.				Length.		Diamet'r.				Length.		Diamet'r.					
	feet	inch	inch	10th			feet	inch	inch	10th			feet	inch	inch	10th			feet	inch
Main Royal stud'g. sail Boom, .	27	.	4	7½	-	27	.	4	7½	-	27	.	4	7½	-	24	6	4	5	-
Do. Yard, . .	14	.	3	2½	-	14	.	3	2½	-	14	.	3	2½	-	14	.	3	.	-
Mizen Top-gallant do. Boom, .	27	.	4	7½	-	27	.	4	7½	-	25	.	4	5	-	22	5	4	.	-
Do. Yard, . .	17	.	3	.	-	17	.	3	.	-	13	.	3	.	-	12	.	2	8	-
Mizen Royal do. Boom, .	18	.	3	5	-	18	.	3	5	-	17	.	3	3	-	15	.	3	.	-
Do. Yard, . .	11	.	2	7½	-	11	.	2	7½	-	10	.	2	5	-	8	.	2	3	-

Proportions for Tops, Trestletrees, Crosstrees, and Caps.

- Main Top—Breadth—One half the moulded breadth of beam. } All tops must be in length two thirds of their breadth—must be made light, with upper cross trees upon the top over the lower ones, fayed down over the battens and well keyed together; the forward quarters of the tops to be sufficiently rounded to prevent chafing the sails.
- Fore Top— do. Nine tenths of Main Top. }
- Mizzen Top— do. Four Fifths of Fore Top. }
- Lower Trestletrees. { Length—The length of their respective tops.
 Depth—Three fifths of their Masts at the Partners.
 Breadth or thickness—One half the depth.
- Lower Crosstrees. { Length—Breadth of respective tops.
 Breadth—Breadth of respective trestletrees.
 Depth or thickness—Two thirds of breadth.
- Top Mast Trestletrees. { Length—Two fifths the length of lower trestletrees of their respective masts
 Breadth—One half the breadth of lower trestletrees.
 Depth—One half the depth of do.
- Top Mast.—Length. { After one—Three fifths of the after lower Crosstrees of their respective Masts.
 Middle one—Five sixths of the after one.
 Forward one—Five sixths of the middle one.
- Crosstrees. { Breadth—The breadth of their respective trestletrees
 Depth or thickness—Four fifths of breadth.

FRIGATES.					SLOOPS.										BRIGS.					SCHOONERS.				
SECOND CLASS.					FIRST CLASS.					SECOND CLASS.														
Length.		Diameter.			Length.		Diameter.			Length.		Diameter.			Length.		Diameter.			Length.		Diameter.		
feet	inch	inch	10th		feet	inch	inch	10th		feet	inch	inch	10th		feet	inch	inch	10th		feet	inch	inch	10th	
19	6	4		-	18	6	3	6	-	17	8	3	5	-	15	6	2	8	-					
11	6	2	5	-	11	.	2	3	-	9	9	2	.	-	9	2½	1	5½	-	.	.	.	.	
21	.	3	7	-	18	6	3	6	-	18	.	3	5	-	.	.	.	.	-	.	.	.	.	
12	.	2	5	-	10	6	2	5	-	10	.	2	3	-	.	.	.	.	-	.	.	.	.	
14	.	3		-	12	9	2	7	-	12	.	2	4	-	.	.	.	.	-	.	.	.	.	
8	.	2	3	-	7	6	2	.	-	7	.	1	8	-	.	.	.	.	-	.	.	.	.	

Caps.—Bowsprit. { Length—Four times the diameter of the Jib boom.
Breadth—Once and a half the diameter of the Jib boom.
Thickness—One half the breadth.

All other Caps. { Length—Four times the diameter of their respective top masts, or top gallant masts.
Breadth—Once and a half the diameter of top masts, or top gallant masts.
Thickness—One half the breadth.

Notes on the foregoing Table of Dimensions of Masts and Spars.

- NOTE.—1. The Mizzen Mast is intended to step on the orlop deck; therefore, an allowance for depth, under the orlop, must be made.
2. By the calculations here laid down, it is intended they should be made of Southern Yellow Pine; but if White Pine is used, it will be necessary to make their dimensions one fifteenth or one twentieth larger. White Pine should never be used for top masts.
3. The cheeks of all lower Masts are to be terminated with a gradual taper, six inches below the orlop deck.
4. In the lengths of lower Masts as above, the steps or heel blocks are included; but the lengths of the heel blocks of top masts being in some measure arbitrary, the lengths of top masts, as laid down, are exclusive of heel blocks.
5. The diameter of the Bowsprit in the bed, to be that of the main mast in the partners; and the diameter at the main gammoning that of the fore mast in the partners—And in all classes to be two thirds of its length outboard.
6. The cap of the Mizzen mast to be on a level with main Trestletrees.
7. The relative proportions to be observed in the different parts of Masts are as follows, viz:—For the diameters of the smallest parts of lower Masts, say under the hounds, allow ten thirteenths in the partners—For their diameter in the wake of Trestletrees, allow nine tenths of their diameter under the hounds; and for their diameter at the upper part of head in the wake of cap, seven eighths of their diameter in the trestletrees. This will apply to the relative dimensions of top masts and top gallant masts, by considering the parts embraced by their caps as their partners. The upper parts of all mast heads, say at the upper part of the hounds, ought to be nine tenths of their diameters in the partners or cap.

TABLE No. 2.....*Rigging.*

BOATSWAIN'S DEPARTMENT.	SHIPS OF THE LINE OF									FRIGATES.		
	THREE DECKS.			TWO DECKS.						FIRST CLASS.		
				FIRST CLASS.			SECOND CLASS.					
	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
BOWSPRIT.												
Gammoning, - -	2	8	-	2	8	-	2	7	-	2	6½	-
Shrouds, cabled, -	2 pair	9	-	2 pair	9	-	2 pair	8½	-	2 pair	8½	-
Collars, do. - -	2	9	-	2	9	-	2	8½	-	2	8½	-
Bubstays, - - -	3 pair	10.9.8	-	3 pair	10.9.8	-	3 pair	9.8.7	-	3 pair	8.8.7	-
Collars, single, each -	3	10.9.8	-	3	10.9.8	-	3	9.8.7	-	3	8.8.7	-
Horses, Manropes, -	-	6	-	-	6	-	-	5	-	-	4½	-
SPRIT SAIL YARD.												
Horses, - - -	-	4½	-	-	4½	-	-	4	-	-	3½	-
Stirrups, - - -	-	3½	-	-	3½	-	-	3	-	-	3	-
Braces, - - -	-	3½	-	-	3½	-	-	3½	-	-	3	-
Lifts, - - -	-	4	-	-	4	-	-	3½	-	-	3	-
Slings, - - -	-	6½	-	-	6½	-	-	6½	-	-	6	-
JIB-BOOM.												
Horses, - - -	-	4	-	-	4	-	-	4	-	-	3½	-
Guy Pendants, - -	3 pair	5.4½.4	-	3 pair	5.4½.4	-	3 pair	4½.4½.4	-	3 pair	4.4.3½	-
Falls, - - -	-	3½	-	-	3½	-	-	3	-	-	2½	-
Outhauler, - - -	-	4½	-	-	4½	-	-	4½	-	-	4½	-
Stay, cabled, - -	-	6	-	-	6	-	-	5½	-	-	5	-
Halliards, double, -	-	4½	-	-	4½	-	-	4	-	-	3½	-
Downhaul, - - -	-	3½	-	-	3½	-	-	3	-	-	3	-
Sheets, } Pendants, -	-	5	-	-	5	-	-	4½	-	-	4½	-
	} Falls, - -	-	4	-	4	-	-	3½	-	-	3	-
Flying Jib-Stay, cabled,	-	5½	-	-	5½	-	-	4½	-	-	4	-
Halliards, single, -	-	3	-	-	3	-	-	3	-	-	2½	-
Sheets, - - -	-	3	-	-	3	-	-	3	-	-	3	-

FRIGATES.			SLOOPS.						BRIGS.			SCHOONERS.		
SECOND CLASS.			FIRST CLASS.			SECOND CLASS.								
No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
2	6	-	-	5½	-	-	5	-	-	4½				
2 pair	6	-	1 pair	5½	-	1 pair	5½	-	1 pair	4¾				
2	6	-	1	5½	-	1	5½	-	1	4¾				
3 pair	7.7.5½	-	2 pair	7.5½	-	2 pair	7.5½	-	2 pair	6.5				
3	7.7.5½	-	2	7.5½	-	2	7.5½	-	2	6.5				
-	4	-	-	3¾	-	-	3½	-	-	3				
-	3½	-	-	3	-	-	3	-	-	2¾				
-	2¾	-	-	2½	-	-	2½	-	-	2½				
-	2¾	-	-	2½	-	-	2½	-	-	2½				
-	3	-	-	2¾	-	-	2¾	-	-	2½				
-	5½	-	-	4¾	-	-	4½	-	-	4				
-	3½	-	-	3½	-	-	3	-	-	2¾				
3 pair	4.3½ 3	-	2 pair	3½	-	2 pair	3½	-	2 pair	3				
-	2½	-	-	2½	-	-	2½	-	-	2				
-	4	-	-	3½	-	-	3¾	-	-	3½				
-	4¾	-	-	4½	-	-	4	-	-	3¾				
-	3	-	-	2¾	-	-	2¾	-	-	2½				
-	2¾	-	-	2½	-	-	2	-	-	1¾				
-	4½	-	-	3¾	-	-	3½	-	-	3½				
-	3	-	-	2¾	-	-	2¾	-	-	2½				
-	3¾	-	-	3½	-	-	3	-	-	2¾				
-	2¾	-	-	2½	-	-	2½	-	-	2½				
-	3	-	-	2¾	-	-	2½	-	-	2½				

BOATSWAIN'S DEPARTMENT.	SHIPS OF THE LINE OF									FRIGATES.		
	THREE DECKS.			TWO DECKS.						FIRST CLASS.		
				FIRST CLASS.			SECOND CLASS.					
	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
JIB-BOOM—Continued.												
Guys, - - -	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Martingale-Stay, -	2 pair	5	-	2 pair	5	-	2 pair	5	-	2 pair	4½	-
Flying do. do. cabled, -	-	4	-	-	4	-	-	3½	-	-	3	-
Downhaul to Flying-Jib,	-	2½	-	-	2½	-	-	2½	-	-	2	-
FORE-MAST.												
Bentick Shrouds, -	-	9	-	-	9	-	-	8½	-	-	8½	-
Pendant Tackles, -	-	11	-	-	11	-	-	10½	-	-	10½	-
Shrouds, - - -	11 pair	11	-	11 pair	11	-	11 pair	10½	-	9 pair	10½	-
Laniards, - - -	-	5½	-	-	5½	-	-	5	-	-	5	-
Ratline, - - -	-	1½	-	-	1½	-	-	1½	-	-	1½	-
Stay, cabled, - -	-	18½	-	-	18	-	-	17	-	-	16	-
Laniards, - - -	-	6½	-	-	6	-	-	5½	-	-	5	-
Collar, cabled double,	-	9	-	-	9	-	-	8	-	-	8	-
Preventer Stays, - -	-	13	-	-	13	-	-	12	-	-	12	-
Collar, cabled, double,	-	8	-	-	8	-	-	7	-	-	7	-
Laniards, - - -	-	6	-	-	6	-	-	5	-	-	5	-
Cat Harpin Legs, -	-	7	-	-	7	-	-	6½	-	-	6½	-
Jear Falls, - - -	-	7	-	-	7	-	-	6	-	-	6	-
Horses, - - -	-	5½	-	-	5½	-	-	5½	-	-	5	-
Stirrups, - - -	-	4½	-	-	4½	-	-	4	-	-	4	-
Y'd tackle Pendants, cabled	-	7½	-	-	7½	-	-	7	-	-	6½	-
Falls, - - -	-	4½	-	-	4½	-	-	4	-	-	3½	-
Braces, - - -	-	5	-	-	5	-	-	4¾	-	-	4½	-
Do. Preventer, -	-	4½	-	-	4½	-	-	4	-	-	3¾	-
Lifts, - - -	-	5	-	-	5	-	-	4¾	-	-	4½	-
Truss Pendants, - -	-	8½	-	-	8½	-	-	8	-	-	8	-
Do. Falls, - - -	-	3	-	-	3	-	-	3	-	-	3	-
Clew Garnets, - -	-	4½	-	-	4½	-	-	4½	-	-	3¾	-
Buntlin Legs, - -	-	3½	-	-	3½	-	-	3½	-	-	3½	-

RIGGING.

6

FRIGATES.			SLOOPS.						BRIGS.			SCHOONERS.		
SECOND CLASS.			FIRST CLASS.			SECOND CLASS.								
No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
-	3	-	-	2 $\frac{3}{8}$	-	-	2 $\frac{3}{8}$	-	-	2 $\frac{1}{2}$	-	-	-	-
2 pair	4	-	2 pair	3 $\frac{5}{8}$	-	2 pair	3 $\frac{1}{2}$	-	1 pair	3	-	-	-	-
-	3	-	-	3	-	-	3	-	-	2 $\frac{1}{2}$	-	-	-	-
-	2	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	-	-
-	7	-	-	6 $\frac{1}{2}$	-	-	6	-	-	-	-	-	-	-
-	9 $\frac{1}{2}$	-	-	8	-	-	7 $\frac{1}{2}$	-	-	6 $\frac{1}{2}$	-	-	-	-
8 pair	9 $\frac{1}{2}$	-	6 pair	8	-	6 pair	8	-	5 pair	6 $\frac{1}{2}$	-	4 pair	6 $\frac{1}{2}$	-
-	4 $\frac{3}{4}$	-	-	4 $\frac{1}{2}$	-	-	4	-	-	3 $\frac{1}{2}$	-	-	-	-
-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	-	-
-	14 $\frac{1}{2}$	-	-	12	-	-	11	-	-	9	-	-	9	-
-	4 $\frac{3}{4}$	-	-	4 $\frac{1}{2}$	-	-	4 $\frac{1}{2}$	-	-	4	-	-	-	-
-	7 $\frac{1}{2}$	-	-	6 $\frac{3}{4}$	-	-	6 $\frac{1}{2}$	-	-	5 $\frac{1}{2}$	-	-	-	-
-	11	-	-	10	-	-	9 $\frac{1}{2}$	-	-	7	-	-	-	-
-	7	-	-	5 $\frac{1}{2}$	-	-	5	-	-	5	-	-	-	-
-	4 $\frac{3}{4}$	-	-	4	-	-	3 $\frac{1}{2}$	-	-	3 $\frac{1}{2}$	-	-	-	-
-	5 $\frac{3}{4}$	-	-	4 $\frac{1}{2}$	-	-	4 $\frac{1}{2}$	-	-	4 $\frac{1}{2}$	-	-	-	-
-	5 $\frac{1}{2}$	-	-	5 $\frac{1}{8}$	-	-	5	-	-	4 $\frac{3}{4}$	-	-	-	-
-	4 $\frac{3}{4}$	-	-	4 $\frac{1}{2}$	-	-	4	-	-	3 $\frac{3}{4}$	-	-	-	-
-	3 $\frac{1}{2}$	-	-	3 $\frac{1}{8}$	-	-	3	-	-	2 $\frac{3}{4}$	-	-	-	-
-	6	-	-	5 $\frac{1}{2}$	-	-	5	-	-	4 $\frac{3}{4}$	-	-	-	-
-	3 $\frac{1}{2}$	-	-	3 $\frac{1}{8}$	-	-	3	-	-	3	-	-	-	-
-	4 $\frac{1}{2}$	-	-	4 $\frac{1}{8}$	-	-	3 $\frac{1}{2}$	-	-	3 $\frac{1}{2}$	-	-	-	-
-	3	-	-	2 $\frac{5}{8}$	-	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	-	-
-	4 $\frac{1}{2}$	-	-	3 $\frac{7}{8}$	-	-	3 $\frac{3}{4}$	-	-	3 $\frac{1}{2}$	-	-	-	-
-	7 $\frac{1}{2}$	-	-	6 $\frac{1}{2}$	-	-	5 $\frac{1}{2}$	-	-	5	-	-	-	-
-	2 $\frac{3}{4}$	-	-	2 $\frac{5}{8}$	-	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	-	-
-	3 $\frac{1}{2}$	-	-	3 $\frac{1}{2}$	-	-	3	-	-	2 $\frac{3}{4}$	-	-	-	-
-	3	-	-	2 $\frac{7}{8}$	-	-	2 $\frac{3}{4}$	-	-	2 $\frac{1}{2}$	-	-	-	-

BOATSWAIN'S DEPARTMENT.	SHIPS OF THE LINE OF									FRIGATES.		
	THREE DECKS.			TWO DECKS.						FIRST CLASS.		
				FIRST CLASS.			SECOND CLASS.					
	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
FORE-MAST—Continued.												
Bowlines, - - -	-	4½	-	-	4½	-	-	4½	-	-	4	-
Bridles, - - -	-	4½	-	-	4½	-	-	4½	-	-	4	-
Sheets, cabled, - -	-	6½	-	-	6½	-	-	6	-	-	6	-
Tacks, do. - - -	-	6	-	-	6	-	-	6	-	-	5½	-
Slings, - - -	-	12½	-	-	12½	-	-	12	-	-	11	-
Laniards, - - -	-	4½	-	-	4½	-	-	4½	-	-	4	-
Stay-sail Haliards, double,	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Sheets, - - -	-	4½	-	-	4½	-	-	4½	-	-	4	-
Downhaul, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Stud'g sail Haliards, inner,	-	3	-	-	3	-	-	3	-	-	3	-
Do. Do. outer,	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Sheets, - - -	-	3	-	-	3	-	-	3	-	-	3	-
Tacks, - - -	-	4	-	-	4	-	-	4	-	-	3½	-
FORE-TOP-MAST.												
Burton Pendants, - -	-	6	-	-	6	-	-	5½	-	-	5½	-
Shrouds, cabled, - 6 pair	6 pair	7½	-	6 pair	7	-	6 pair	7	-	3 pair	6½	-
Laniards, - - -	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Ratline, - - -	-	1	-	-	1	-	-	1	-	-	1	-
Standing Back-stays, - 3 pair	3 pair	7½	-	3 pair	7½	-	3 pair	7½	-	2 pair	7½	-
Laniards - - -	-	4	-	-	4	-	-	4	-	-	4	-
Breast Backstays, cabled, 2 pair	2 pair	7½	-	2 pair	7½	-	2 pair	7	-	2 pair	6½	-
Falls, - - -	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Stay, cabled, - -	-	9	-	-	9	-	-	8½	-	-	8	-
Futtuck Shrouds, do. -	-	7	-	-	7	-	-	7	-	-	6½	-
Preventer Stay, do. -	-	8	-	-	8	-	-	8	-	-	7½	-
Ratline, - - -	-	1½	-	-	1½	-	-	1½	-	-	1½	-
Top Rope Pendants, -	-	9½	-	-	9½	-	-	9	-	-	8½	-
Falls, - - -	-	5	-	-	5	-	-	5	-	-	4½	-
Tye, - - -	-	7	-	-	7	-	-	6½	-	-	6	-
Haliards, - - -	-	4	-	-	4	-	-	3½	-	-	3½	-

FRIGATES.			SLOOPS.						BRIGS.			SCHOONERS.		
SECOND CLASS.			FIRST CLASS.			SECOND CLASS.								
No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
-	3½	-	-	3½	-	-	3	-	-	2½	-			
-	3½	-	-	3	-	-	3	-	-	2½	-			
-	5½	-	-	4½	-	-	4½	-	-	4	-			
-	5½	-	-	4½	-	-	4½	-	-	4	-			
-	10	-	-	9½	-	-	8½	-	-	7½	-			
-	3½	-	-	3½	-	-	3	-	-	2¾	-			
-	3½	-	-	2¾	-	-	2½	-	-	2½	-			
-	4	-	-	3½	-	-	3	-	-	3	-			
-	2½	-	-	2¾	-	-	2½	-	-	2	-			
-	3	-	-	2½	-	-	2½	-	-	2	-			
-	3¾	-	-	3½	-	-	3	-	-	2¾	-			
-	3	-	-	2¾	-	-	2½	-	-	2	-			
-	3¾	-	-	3½	-	-	3	-	-	2¾	-			
-	5	-	-	4¾	-	-	4¾	-	-	4	-			
5 pair	5¾	-	4 pair	4½	-	4 pair	4¾	-	3 pair	4½	-	2 pair	3½	
-	3½	-	-	2¾	-	-	2¾	-	-	2½	-			
-	1	-	-	1	-	-	1	-	-	1	-			
2 pair	6¾	-	2 pair	5½	-	2 pair	5½	-	1 pair	4¾	-	1 pair	4	
-	3¾	-	-	3½	-	-	3	-	-	2½	-			
2 pair	6	-	1 pair	5	-	1 pair	4¾	-	1 pair	4½	-			
-	3½	-	-	3½	-	-	3	-	-	2¾	-			
-	7½	-	-	6½	-	-	6	-	-	5½	-			
-	5¾	-	-	4¾	-	-	4¾	-	-	4½	-			
-	7½	-	-	6½	-	-	6	-	-	5½	-			
-	1	-	-	1	-	-	1	-	-	1	-			
-	7½	-	-	6¾	-	-	6½	-	-	5½	-			
-	4	-	-	3¾	-	-	3½	-	-	3½	-			
-	5½	-	-	5½	-	-	5	-	-	4½	-			
-	3½	-	-	3½	-	-	3	-	-	2½	-			

BOATSWAIN'S DEPARTMENT.	SHIPS OF THE LINE OF									FRIGATES.		
	THREE DECKS.			TWO DECKS.						FIRST CLASS.		
				FIRST CLASS.			SECOND CLASS.					
	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
FORE-TOP-MAST—Cont'd.												
Horses, - - -	-	4	-	-	4	-	-	4	-	-	4	-
Stirrups, - - -	-	3½	-	-	3½	-	-	3½	-	-	3	-
Braces, - - -	-	4½	-	-	4½	-	-	4	-	-	3¾	-
Lifts, single, - -	-	5½	-	-	5½	-	-	5	-	-	4¾	-
Clewlines, - - -	-	4	-	-	4	-	-	4	-	-	3¾	-
Buntlines, - - -	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Bowlines, - - -	-	3¾	-	-	3¾	-	-	3¾	-	-	3¾	-
Bridles, - - -	-	3¾	-	-	3¾	-	-	3¾	-	-	3¾	-
Reef Tackle Pend'ts, doub.	-	4	-	-	4	-	-	4	-	-	4	-
Do. Falls, - -	-	3	-	-	3	-	-	3	-	-	2½	-
Sheets, double, -	-	7	-	-	7	-	-	6½	-	-	6	-
Strops for Sheet-blocks,	-	7	-	-	7	-	-	6½	-	-	6	-
Slings, - - -	-	6	-	-	6	-	-	5½	-	-	5½	-
Top-sail Halliards, single,	-	4	-	-	4	-	-	3¾	-	-	3½	-
Do. Stay-sail Sheets, doub.	-	4	-	-	4	-	-	4	-	-	3¾	-
Downhaul, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Studding Sail Halliards,	-	3¾	-	-	3¾	-	-	3¾	-	-	3½	-
Sheets, - - -	-	4	-	-	4	-	-	4	-	-	4	-
Tacks, - - -	-	3¾	-	-	3¾	-	-	3¾	-	-	3½	-
Downhaul, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
FORE-TOP-GAL'NT-MAST.												
Shrouds, cabled, -	3 pair	4½	-	3 pair	4½	-	3 pair	4	-	3 pair	4	-
Standing Backstays, do.	2 pair	5	-	2 pair	5	-	2 pair	4½	-	2 pair	4½	-
Stay, do. - - -	-	5	-	-	5	-	-	4¾	-	-	4¾	-
Tye, - - -	-	5	-	-	5	-	-	4	-	-	4	-
Halliards, - - -	-	3½	-	-	3½	-	-	3	-	-	2¾	-
Horses, - - -	-	3	-	-	3	-	-	3	-	-	3	-
Braces, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Lifts, single, - -	-	3½	-	-	3½	-	-	3	-	-	3	-
Clewlines, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-

FRIGATES.			SLOOPS.						BRIGS.			SCHOONERS.		
SECOND CLASS.			FIRST CLASS.			SECOND CLASS.								
No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
-	3½	-	-	3½	-	-	3½	-	-	3	-			
-	3	-	-	3	-	-	3	-	-	2½	-			
-	3½	-	-	3½	-	-	3½	-	-	3	-			
-	4½	-	-	3½	-	-	3½	-	-	3½	-			
-	3½	-	-	3½	-	-	3	-	-	3	-			
-	3	-	-	3	-	-	3	-	-	2¾	-			
-	3½	-	-	2½	-	-	2¾	-	-	2½	-			
-	3½	-	-	2½	-	-	2¾	-	-	2¾	-			
-	3¾	-	-	3¾	-	-	3	-	-	3	-			
-	2½	-	-	2¾	-	-	2½	-	-	2	-			
-	5½	-	-	5½	-	-	5	-	-	4½	-			
-	6	-	-	5½	-	-	5	-	-	4½	-			
-	5	-	-	4½	-	-	4	-	-	3¾	-			
-	3½	-	-	3½	-	-	3	-	-	2¾	-			
-	3½	-	-	3½	-	-	3	-	-	2½	-			
-	2½	-	-	2½	-	-	2	-	-	2	-			
-	3½	-	-	3½	-	-	3	-	-	3	-			
-	3½	-	-	2¾	-	-	2½	-	-	2	-			
-	3½	-	-	3½	-	-	2¾	-	-	2½	-			
-	2½	-	-	2½	-	-	2	-	-	1¾	-			
3 pair	3½	-	3 pair	3½	-	3 pair	3	-	3 pair	3	-			
2 pair	4	-	2 pair	3½	-	2 pair	3½	-	1 pair	3½	-			
-	4½	-	-	4½	-	-	4	-	-	3½	-			
-	3¾	-	-	3¾	-	-	3½	-	-	3	-			
-	2¾	-	-	2¾	-	-	2½	-	-	2	-			
-	3	-	-	2½	-	-	2½	-	-	2½	-			
-	2½	-	-	2½	-	-	2	-	-	1¾	-			
-	2¾	-	-	2¾	-	-	2½	-	-	2½	-			
-	2½	-	-	1½	-	-	1¾	-	-	1¾	-			

BOATSWAIN'S DEPARTMENT.	SHIPS OF THE LINE OF									FRIGATES.		
	THREE DECKS.			TWO DECKS.						FIRST CLASS.		
				FIRST CLASS.			SECOND CLASS.					
	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
F. T. G. MAST.—Cont'd.												
Sheets, - - -	-	3½	-	-	3½	-	-	3	-	-	3	-
Bowlines, - - -	-	2	-	-	2	-	-	2	-	-	2	-
Bridles, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Breast Back-stays, -	2 pair	4½	-	2 pair	4½	-	2 pair	4	-	2 pair	4	-
Studding Sail Halliards,	-	2¾	-	-	2¾	-	-	2¾	-	-	2¾	-
Sheets, - - -	-	2	-	-	2	-	-	2	-	-	2	-
Tacks, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Royal Stay, - - -	-	3	-	-	3	-	-	3	-	-	3	-
Do. Shrouds, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
MAIN-MAST.												
Bentick Shrouds, -	-	9	-	-	9	-	-	8½	-	-	8½	-
Tackle Pendants, -	-	11	-	-	11	-	-	10½	-	-	10½	-
Shrouds, cabled, -	11 pair	11	-	11 pair	11	-	11 pair	10½	-	10 pair	10½	-
Laniards, - - -	-	5½	-	-	5½	-	-	5½	-	-	5	-
Ratline, - - -	-	1½	-	-	1½	-	-	1½	-	-	1½	-
Stay, cabled, - - -	-	19	-	-	19	-	-	18	-	-	17	-
Laniards, - - -	-	6	-	-	6	-	-	6	-	-	5½	-
Collar, doubled, cabled,	-	9	-	-	9	-	-	9	-	-	9	-
Do. or single, - - -	-	13	-	-	13	-	-	13	-	-	12	-
Preventer Stay, - - -	-	12½	-	-	12½	-	-	12½	-	-	12½	-
Cat harpen Legs, -	-	7	-	-	7	-	-	7	-	-	6½	-
Stay-tackle Pend'ts, cabled	-	7	-	-	7	-	-	7	-	-	6½	-
Falls, - - -	-	4	-	-	4	-	-	4	-	-	4	-
Fore-hatch Tackle, -	-	4	-	-	4	-	-	4	-	-	4	-
Jear Falls, - - -	-	7	-	-	7	-	-	7	-	-	6½	-
Horses, - - -	-	5½	-	-	5½	-	-	5½	-	-	5	-
Stirrups, - - -	-	4½	-	-	4½	-	-	4½	-	-	4	-
Y'd Tackle Pend'ts, cabled	-	7½	-	-	7	-	-	7	-	-	6½	-
Falls, - - -	-	4½	-	-	4	-	-	4	-	-	4	-
Braces, - - -	-	5½	-	-	5	-	-	5	-	-	4½	-

RIGGING.

9

FRIGATES.			SLOOPS.						BRIGS.			SCHOONERS.		
SECOND CLASS.			FIRST CLASS.			SECOND CLASS.								
No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
.	23	-	.	23	-	.	21	-	.	21	-	.		
.	2	-	.	11	-	.	11	-	.	11	-	.		
.	21	-	.	11	-	.	1	-	.	1	-	.		
2 pair	33	-	1 pair	31	-	1 pair	31	-	1 pair	31	-	.		
.	21	-	.	13	-	.	13	-	.	13	-	.		
.	2	-	.	11	-	.	1	-	.	1	-	.		
.	21	-	.	13	-	.	13	-	.	13	-	.		
.	21	-	.	2	-	.	2	-	.	2	-	.		
.	21	-	.	13	-	.	11	-	.	11	-	.		
.	7	-	.	6	-	.	51	-	.	-	-	.		
.	91	-	.	8	-	.	71	-	.	61	-	.		
9 pair	91	-	7 pair	8	-	6 pair	71	-	5 pair	61	-	4 pair	6	
.	43	-	.	41	-	.	4	-	.	31	-	.		
.	11	-	.	11	-	.	11	-	.	1	-	.		
.	13	-	.	13	-	.	111	-	.	91	-	.	7	
.	43	-	.	43	-	.	41	-	.	41	-	.		
.	8	-	.	61	-	.	6	-	.	51	-	.		
.	11	-	.	91	-	.	9	-	.	81	-	.		
.	111	-	.	93	-	.	9	-	.	71	-	.		
.	51	-	.	41	-	.	43	-	.	41	-	.		
.	6	-	.	51	-	.	5	-	.	43	-	.		
.	4	-	.	31	-	.	31	-	.	3	-	.		
.	4	-	.	31	-	.	31	-	.	3	-	.		
.	51	-	.	51	-	.	5	-	.	43	-	.		
.	43	-	.	41	-	.	4	-	.	33	-	.		
.	31	-	.	31	-	.	3	-	.	3	-	.		
.	6	-	.	51	-	.	5	-	.	43	-	.		
.	33	-	.	33	-	.	31	-	.	3	-	.		
.	41	-	.	41	-	.	4	-	.	33	-	.		

BOATSWAIN'S DEPARTMENT.	SHIPS OF THE LINE OF									FRIGATES.		
	THREE DECKES.			TWO DECKES.						FIRST CLASS.		
				FIRST CLASS.			SECOND CLASS.					
	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
MAIN-MAST.—Continued.												
Lifts, - - -	-	5½	-	-	5	-	-	5	-	-	4½	-
Truss Pendants, - -	-	9	-	-	8½	-	-	8½	-	-	8	-
Falls, - - -	-	3½	-	-	3	-	-	3	-	-	3	-
Clew Garnets, - -	-	5	-	-	4½	-	-	4½	-	-	4	-
Buntlines, - - -	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Bowlines, - - -	-	4	-	-	4	-	-	4	-	-	4	-
Bridles, - - -	-	4	-	-	4	-	-	4	-	-	4	-
Sheets, cabled, - -	-	6	-	-	6	-	-	5½	-	-	5	-
Tacks, doubled, - -	-	5	-	-	5	-	-	4¾	-	-	4½	-
Slings, - - -	-	13½	-	-	13½	-	-	13	-	-	12	-
Collar, - - -	-	6	-	-	6	-	-	6	-	-	6	-
Halliards, double, -	-	3¾	-	-	3¾	-	-	3¾	-	-	3¾	-
Sheets—tackle-falls, -	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Downhaul, - - -	-	3	-	-	3	-	-	3	-	-	3	-
Stay-sail Stay, - -	-	6	-	-	6	-	-	6	-	-	6	-
MAIN-TOP-MAST.												
Burton Pendants, - -	-	6½	-	-	6½	-	-	6	-	-	5½	-
Shrouds, cabled, -	6 pair	7	-	6 pair	7	-	6 pair	6½	-	6 pair	6½	-
Laniards, - - -	-	3¾	-	-	3¾	-	-	3¾	-	-	3½	-
Standing Back-stays, -	3 pair	8	-	3 pair	8	-	3 pair	7¾	-	2 pair	7½	-
Laniards, - - -	-	4½	-	-	4½	-	-	4½	-	-	4	-
Breast Backstays, cabled,	2 pair	7	-	2 pair	7	-	2 pair	7	-	2 pair	6½	-
Falls, - - -	-	4	-	-	4	-	-	4	-	-	4	-
Stay, cabled, - - -	-	9	-	-	9	-	-	8	-	-	8	-
Collar, - - -	-	8	-	-	8	-	-	8	-	-	7	-
Preventer Stay, - -	-	7	-	-	7	-	-	7	-	-	6½	-
Collar, - - -	-	7	-	-	7	-	-	7	-	-	6	-
Futtuck Shrouds, cabled,	-	7	-	-	7	-	-	7	-	-	6½	-
Ratline, - - -	-	1½	-	-	1½	-	-	1½	-	-	1½	-
Do. for Top-Mast rigging,	-	1	-	-	1	-	-	1	-	-	1	-

FRIGATES.			SLOOPS.						BRIGS.			SCHOONERS.		
SECOND CLASS.			FIRST CLASS.			SECOND CLASS.								
No.	Size. Inches.	Length	No.	Size. Inches.	Length.	No.	Size. Inches.	Length	No.	Size. Inches.	Length	No.	Size. Inches.	Length.
-	4½	-	-	3⅞	-	-	3¾	-	-	3½	-			
-	7½	-	-	6½	-	-	5½	-	-	5	-			
-	2¾	-	-	2⅞	-	-	2½	-	-	2½	-			
-	3¾	-	-	3½	-	-	3	-	-	3	-			
-	3½	-	-	2⅞	-	-	2¾	-	-	2½	-			
-	3½	-	-	3	-	-	3	-	-	2¾	-			
-	3½	-	-	3½	-	-	3	-	-	3	-			
-	5	-	-	4¾	-	-	4½	-	-	4½	-			
-	4½	-	-	4½	-	-	4	-	-	4	-			
-	10½	-	-	9½	-	-	9	-	-	8	-			
-	5½	-	-	5	-	-	5	-	-	4½	-			
-	3½	-	-	2⅞	-	-	2¾	-	-	2½	-			
-	3½	-	-	2¾	-	-	2½	-	-	2½	-			
-	2¾	-	-	2⅞	-	-	2½	-	-	2½	-			
-	5½	-	-	5	-	-	5	-	-	4½	-			
-	5	-	-	4½	-	-	4	-	-	4	-			
5 pair	5¾	-	4 pair	4½	-	4 pair	4¾	-	4 pair	4½	-			
-	2¾	-	-	2¾	-	-	2¾	-	-	2½	-			
2 pair	7	-	2 pair	5½	-	2 pair	5½	-	1 pair	4¾	-			
-	3½	-	-	3½	-	-	3	-	-	2½	-			
1 pair	6	-	1 pair	5	-	1 pair	4¾	-	1 pair	4½	-			
-	3½	-	-	3½	-	-	3	-	-	2½	-			
-	7½	-	-	6½	-	-	6	-	-	5½	-			
-	6½	-	-	5½	-	-	5	-	-	5	-			
-	6½	-	-	5½	-	-	4¾	-	-	4½	-			
-	5½	-	-	4½	-	-	4	-	-	4	-			
-	5¾	-	-	4½	-	-	4¾	-	-	4½	-			
-	1	-	-	1	-	-	1	-	-	1	-			
-	1	-	-	1	-	-	1	-	-	1	-			

BOATSWAIN'S DEPARTMENT.	SHIPS OF THE LINE OF									FRIGATES.		
	THREE DECKES.			TWO DECKES.						FIRST CLASS.		
				FIRST CLASS.			SECOND CLASS.					
	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
MAIN-TOP-MAST.—Cont'd.												
Top Rope Pendants, -	-	9	-	-	9	-	-	8½	-	-	8½	-
Falls, - - -	-	5	-	-	5	-	-	5	-	-	4½	-
Tyes, - - -	-	6½	-	-	6½	-	-	6	-	-	6	-
Halliards, - - -	-	4	-	-	4	-	-	3½	-	-	3½	-
Horses, - - -	-	4½	-	-	4½	-	-	4	-	-	4	-
Stirrups, - - -	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Braces, - - -	-	4½	-	-	4½	-	-	4½	-	-	4	-
Span—about Mizzen-Mast,	-	4½	-	-	4½	-	-	4½	-	-	4½	-
Lifts, single, - -	-	5½	-	-	5½	-	-	5	-	-	4½	-
Clewlines, - - -	-	4	-	-	4	-	-	4	-	-	3½	-
Buntlines, - - -	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Bowlines, - - -	-	4	-	-	4	-	-	4	-	-	4	-
Bridles, - - -	-	4	-	-	4	-	-	4	-	-	4	-
Reef Tackle Pendants,	-	4½	-	-	4½	-	-	4½	-	-	4	-
Falls, - - -	-	8	-	-	8	-	-	8	-	-	2½	-
Sheets, double, -	-	7	-	-	7	-	-	6½	-	-	6	-
Straps for Sheet-blocks,	-	7	-	-	7	-	-	7	-	-	7	-
Slings, - - -	-	6	-	-	6	-	-	6	-	-	5	-
Stay sails Halliards, double	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Sheets, - - - do.	-	3	-	-	3	-	-	3	-	-	3	-
Tucks, - - -	-	3	-	-	3	-	-	3	-	-	3	-
Downhaul, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Brails, - - -	-	2	-	-	2	-	-	2	-	-	2	-
Middl. Stay s'l Stay, cabled	-	4½	-	-	4½	-	-	4½	-	-	4½	-
Halliards, single, -	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Sheets, - - -	-	3½	-	-	3½	-	-	3½	-	-	3	-
Tucks, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Downhaul, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Tricing Line, - - -	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Top-gal'nt Stay-sail Stay.	-	4	-	-	4	-	-	3½	-	-	3½	-
Do. Do. Halliards,	-	3	-	-	3	-	-	3	-	-	2½	-

FRIGATES.			SLOOPS.						BRIGS.			SCHOONERS.		
SECOND CLASS.			FIRST CLASS.			SECOND CLASS.								
No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
-	7½	-	-	6½	-	-	6½	-	-	5½	-			
-	4½	-	-	3½	-	-	3½	-	-	3½	-			
-	5½	-	-	5½	-	-	5	-	-	4½	-			
-	3½	-	-	3½	-	-	3	-	-	2½	-			
-	3½	-	-	3½	-	-	3½	-	-	3	-			
-	3½	-	-	2½	-	-	2½	-	-	2½	-			
-	3½	-	-	3½	-	-	3½	-	-	3	-			
-	4½	-	-	3½	-	-	3½	-	-	3½	-			
-	4½	-	-	3½	-	-	3½	-	-	3½	-			
-	3½	-	-	3½	-	-	3	-	-	3	-			
-	3	-	-	3	-	-	3	-	-	2½	-			
-	3½	-	-	3½	-	-	3	-	-	2½	-			
-	3½	-	-	3½	-	-	3	-	-	2½	-			
-	3½	-	-	3½	-	-	3½	-	-	3	-			
-	2½	-	-	2½	-	-	2½	-	-	2	-			
-	5½	-	-	5½	-	-	5	-	-	4½	-			
-	6½	-	-	5½	-	-	5	-	-	4½	-			
-	5	-	-	4½	-	-	4½	-	-	4	-			
-	3	-	-	2½	-	-	2½	-	-	2½	-			
-	2½	-	-	2½	-	-	2½	-	-	2	-			
-	2½	-	-	2½	-	-	2	-	-	1½	-			
-	2½	-	-	2½	-	-	2	-	-	1½	-			
-	2	-	-	1½	-	-	1½	-	-	1½	-			
-	4	-	-	3½	-	-	3½	-	-	3½	-			
-	3	-	-	2½	-	-	2½	-	-	1½	-			
-	2½	-	-	2½	-	-	2½	-	-	2	-			
-	2½	-	-	2½	-	-	2	-	-	1½	-			
-	2	-	-	1½	-	-	1½	-	-	1½	-			
-	3	-	-	2½	-	-	2½	-	-	2½	-			
-	3½	-	-	3	-	-	3	-	-	2½	-			
-	2½	-	-	2½	-	-	2	-	-	2	-			

BOATSWAIN'S DEPARTMENT.	SHIPS OF THE LINE OF									FRIGATES.		
	THREE DECKS.			TWO DECKS.						FIRST CLASS.		
				FIRST CLASS.			SECOND CLASS.					
	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
MAIN-TOP-MAST.—Cont'd.												
Top-gall'nt stay-sail Sheets,	-	3	-	-	3	-	-	3	-	-	2½	-
Do. Do. Tacks,	-	2	-	-	2	-	-	2	-	-	2	-
Do. Do. Downhaul,	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Royal Stay, - -	-	3½	-	-	3½	-	-	3½	-	-	2¾	-
Do. Stay-sail Stay, -	-	2¾	-	-	2¾	-	-	2¾	-	-	2½	-
Do. Halliards, -	-	2	-	-	2	-	-	2	-	-	2	-
Do. Downhaul, -	-	1½	-	-	1½	-	-	1½	-	-	1½	-
Do. Sheets, - -	-	2	-	-	2	-	-	2	-	-	2	-
Royal Halliards, - -	-	3	-	-	3	-	-	3	-	-	3	-
Do. Braces, - -	-	1¾	-	-	1¾	-	-	1¾	-	-	1¾	-
Do. Lifts, - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Do. Clewlines, -	-	1¾	-	-	1¾	-	-	1¾	-	-	1½	-
Horses, - - -	-	1¾	-	-	1¾	-	-	1¾	-	-	1¾	-
Bowlines, - - -	-	1½	-	-	1½	-	-	1½	-	-	1½	-
T. Mast stud'g-s'l halliards,	-	4	-	-	4	-	-	4	-	-	4	-
Do. Do. Tacks,	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Do. Do. Sheets,	-	3	-	-	3	-	-	3	-	-	3	-
Do. Do. Downhaul,	-	2½	-	-	2½	-	-	2½	-	-	2½	-
T. gall't stud'g-s'l halliards,	-	2¾	-	-	2¾	-	-	2¾	-	-	2½	-
Do. Do. Sheets,	-	2	-	-	2	-	-	2	-	-	2	-
Do. Do. Tacks,	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Royal stud'g-sail Halliards,	-	2	-	-	2	-	-	2	-	-	2	-
Do. Do. Sheets,	-	1½	-	-	1½	-	-	1½	-	-	1½	-
Do. Do. Tacks,	-	1½	-	-	1½	-	-	1½	-	-	1½	-
MAIN-TOP-GAL'NT-MAST.												
Shrouds, cabled, -	3 pair	4½	-	3 pair	4½	-	3 pair	4½	-	3 pair	4	-
Standing Back-stays, do.	-	5½	-	-	5½	-	-	5	-	-	4¾	-
Laniards, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Stay, cabled, - -	-	5½	-	-	5½	-	-	5	-	-	4¾	-
Tyes, - - -	-	5	-	-	5	-	-	4½	-	-	4½	-

FRIGATES.			SLOOPS.						BRIGS.			SCHOONERS.		
SECOND CLASS.			FIRST CLASS.			SECOND CLASS.								
No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
-	3	-	-	2 $\frac{5}{8}$	-	-	2 $\frac{1}{2}$	-	-	2	-	-		
-	2 $\frac{1}{2}$	-	-	2 $\frac{5}{8}$	-	-	2	-	-	1 $\frac{1}{2}$	-	-		
3 pair	3 $\frac{3}{4}$	-	3 pair	3 $\frac{1}{2}$	-	3 pair	3	-	3 pair	3	-	-		
-	4 $\frac{1}{2}$	-	-	3 $\frac{5}{8}$	-	-	3 $\frac{1}{2}$	-	-	3 $\frac{1}{2}$	-	-		
-	2 $\frac{1}{2}$	-	-	2	-	-	2	-	-	1 $\frac{1}{2}$	-	-		
-	4 $\frac{1}{2}$	-	-	4 $\frac{1}{2}$	-	-	4	-	-	3 $\frac{1}{2}$	-	-		
-	4	-	-	3 $\frac{5}{8}$	-	-	3 $\frac{1}{2}$	-	-	3 $\frac{1}{2}$	-	-		
-	3	-	-	2 $\frac{5}{8}$	-	-	2 $\frac{1}{2}$	-	-	2	-	-		
-	2 $\frac{3}{4}$	-	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-		
-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2	-	-	1 $\frac{3}{4}$	-	-		
-	2 $\frac{3}{4}$	-	-	2 $\frac{5}{8}$	-	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-		
-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2	-	-	1 $\frac{3}{4}$	-	-		
-	2	-	-	1 $\frac{7}{8}$	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{1}{2}$	-	-		
-	2	-	-	1 $\frac{7}{8}$	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{1}{2}$	-	-		
1 pair	3 $\frac{3}{4}$	-	1 pair	3 $\frac{3}{4}$	-	1 pair	3 $\frac{1}{2}$	-	1 pair	3 $\frac{1}{2}$	-	-		
-	2 $\frac{3}{4}$	-	-	2 $\frac{5}{8}$	-	-	2 $\frac{1}{2}$	-	-	2	-	-		
-	2 $\frac{1}{2}$	-	-	2	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{1}{2}$	-	-		
-	2	-	-	1 $\frac{1}{2}$	-	-	1	-	-	1	-	-		
-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2	-	-		
-	2	-	-	1 $\frac{1}{2}$	-	-	2	-	-	1	-	-		
-	2	-	-	1 $\frac{7}{8}$	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{3}{4}$	-	-		
-	2	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-		
-	2	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{3}{4}$	-	-		
-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2	-	-	2	-	-		
-	2 $\frac{1}{2}$	-	-	2	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{1}{2}$	-	-		
-	2	-	-	2	-	-	2	-	-	1 $\frac{3}{4}$	-	-		
-	2	-	-	1 $\frac{5}{8}$	-	-	1 $\frac{1}{2}$	-	-	1	-	-		
-	1 $\frac{1}{2}$	-	-	1 $\frac{5}{8}$	-	-	1	-	-	1	-	-		
-	1 $\frac{3}{4}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-		

BOATSWAIN'S DEPARTMENT.	SHIPS OF THE LINE OF									FRIGATES.		
	THREE DECKS.			TWO DECKS.						FIRST CLASS.		
				FIRST CLASS.			SECOND CLASS.					
	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
M. F. G. MAST.—Continued.												
Royal Halliards, -	-	3	-	-	3	-	-	3	-	-	3	-
Do. Braces, - -	-	1 $\frac{3}{4}$	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{3}{4}$	-
Do. Lifts, - -	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-
Do. Clewlines, -	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-
Horses, - - -	-	1 $\frac{3}{4}$	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{3}{4}$	-
Bowlines, - - -	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-
Royal stud'g sail Halliards,	-	2	-	-	2	-	-	2	-	-	2	-
Do. Do. Sheets,	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-
Do. Do. Tacks,	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-
MIZEN-MAST.												
Burton Pendants, -	-	6 $\frac{1}{2}$	-	-	6 $\frac{1}{2}$	-	-	6 $\frac{1}{2}$	-	-	6	-
Shrouds, cabled, -	7 pair	7 $\frac{3}{4}$	-	7 pair	7 $\frac{3}{4}$	-	7 pair	7 $\frac{3}{4}$	-	6 pair	7 $\frac{1}{2}$	-
Laniards, - - -	-	4	-	-	4	-	-	4	-	-	3 $\frac{1}{2}$	-
Ratline, - - -	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-
Stay, cabled, - -	-	9 $\frac{1}{2}$	-	-	9 $\frac{1}{2}$	-	-	9	-	-	9	-
Vang-falls, - - -	-	3 $\frac{1}{2}$	-	-	3 $\frac{1}{2}$	-	-	3 $\frac{1}{2}$	-	-	3	-
Truss Pendants, - -	-	6	-	-	6	-	-	6	-	-	5 $\frac{1}{2}$	-
Do. Falls, - - -	-	3	-	-	3	-	-	3	-	-	2 $\frac{1}{2}$	-
Brails for Spanker—Peak,	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-
Do. Do. Throat,	-	3 $\frac{3}{4}$	-	-	3 $\frac{3}{4}$	-	-	3 $\frac{3}{4}$	-	-	3 $\frac{1}{2}$	-
Do. Do. Middle,	-	3 $\frac{1}{2}$	-	-	3 $\frac{1}{2}$	-	-	3 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-
Do. Do. Foot,	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2	-
Peak—Halliards, -	-	4	-	-	4	-	-	4	-	-	3 $\frac{1}{2}$	-
Throat Do. - - -	-	3 $\frac{1}{2}$	-	-	3 $\frac{1}{2}$	-	-	3 $\frac{1}{2}$	-	-	3 $\frac{1}{2}$	-
Slings, - - -	-	6	-	-	6	-	-	6	-	-	5 $\frac{1}{2}$	-
Jack Stay, - - -	-	5 $\frac{1}{2}$	-	-	5 $\frac{1}{2}$	-	-	5 $\frac{1}{2}$	-	-	5	-
Collar, - - -	-	5 $\frac{1}{2}$	-	-	5 $\frac{1}{2}$	-	-	5 $\frac{1}{2}$	-	-	5	-
Boom Drier, - - -	-	5 $\frac{1}{2}$	-	-	5 $\frac{1}{2}$	-	-	5 $\frac{1}{2}$	-	-	5	-
Four'g Lifts, cal. doub.	-	5 $\frac{1}{2}$	-	-	5 $\frac{1}{2}$	-	-	5 $\frac{1}{2}$	-	-	5	-

FRIGATES.			SLOOPS.						BRIGS.			SCHOONERS.		
SECOND CLASS.			FIRST CLASS.			SECOND CLASS.								
No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2	-			
-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1	-	-	1	-			
-	2	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-			
-	1 $\frac{1}{4}$	-	-	1 $\frac{1}{2}$	-	-	1	-	-	1	-			
-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-			
-	1	-	-	1	-	-	1	-	-	1	-			
-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-			
-	1 $\frac{1}{4}$	-	-	1 $\frac{1}{4}$	-	-	1 $\frac{1}{4}$	-	-	1	-			
-	1 $\frac{1}{4}$	-	-	1 $\frac{1}{4}$	-	-	1 $\frac{1}{4}$	-	-	1	-			
-	5	-	-	4 $\frac{3}{4}$	-	-	4 $\frac{1}{2}$	-	-		-			
5 pair	6 $\frac{1}{2}$	-	5 pair	5 $\frac{3}{4}$	-	5 pair	5 $\frac{1}{4}$	-	-		-			
-	3 $\frac{1}{2}$	-	-	3	-	-	3	-	-		-			
-	1	-	-	1	-	-	1	-	-		-			
-	8	-	-	7 $\frac{3}{4}$	-	-	7 $\frac{1}{2}$	-	-		-			
-	2 $\frac{3}{4}$	-	-	2 $\frac{3}{4}$	-	-	2 $\frac{1}{2}$	-	-		-			
-	5	-	-	4 $\frac{3}{4}$	-	-	4 $\frac{1}{2}$	-	-		-			
-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-		-			
-	2 $\frac{1}{2}$	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{1}{2}$	-	-		-			
-	3 $\frac{1}{4}$	-	-	2 $\frac{3}{4}$	-	-	2 $\frac{1}{4}$	-	-		-			
-	2 $\frac{1}{4}$	-	-	2	-	-	2	-	-		-			
-	2	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{1}{2}$	-	-		-			
-	3 $\frac{1}{4}$	-	-	3 $\frac{1}{2}$	-	-	3	-	-		-			
-	3 $\frac{1}{4}$	-	-	3 $\frac{1}{2}$	-	-	3	-	-		-			
-	5	-	-	4 $\frac{1}{2}$	-	-	4	-	-		-			
-	4 $\frac{1}{2}$	-	-	4 $\frac{1}{2}$	-	-	4	-	-		-			
-	4 $\frac{1}{2}$	-	-	4 $\frac{1}{2}$	-	-	4	-	-		-			
-	4 $\frac{1}{2}$	-	-	4 $\frac{1}{2}$	-	-	4	-	-		-			

BOATSWAIN'S DEPARTMENT.	SHIPS OF THE LINE OF									FRIGATES.		
	THREE DECKS.			TWO DECKS.						FIRST CLASS.		
				FIRST CLASS.			SECOND CLASS.					
	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
MIZEN-MAST.—Continued.												
Topping Lift Falls, -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Guy Pendants, -	-	5	-	-	5	-	-	5	-	-	4½	-
Do. Do. Falls, -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Boom Sheet, -	-	4	-	-	4	-	-	4	-	-	3¾	-
Horses, -	-	3	-	-	3	-	-	3	-	-	3	-
CROSS-JACK-YARD.												
Span about the Cap, -	-	4½	-	-	4½	-	-	4½	-	-	4½	-
Braces, -	-	3½	-	-	3½	-	-	3½	-	-	3	-
Lifts, standing, -	-	4	-	-	4	-	-	4	-	-	4	-
Slings, -	-	5½	-	-	5½	-	-	5½	-	-	5	-
MIZEN-TOP-MAST.												
Burton Pendants, -	-	5	-	-	5	-	-	5	-	-	4½	-
Shrouds, cabled, -	5 pair	5½	-	5 pair	5½	-	5 pair	5½	-	4 pair	5	-
Laniards, -	-	3	-	-	3	-	-	3	-	-	2½	-
Ratline, -	-	1	-	-	1	-	-	1	-	-	1	-
Standing Backstays, -	2 pair	6	-	2 pair	6	-	2 pair	6	-	2 pair	5½	-
Laniards, -	-	3	-	-	3	-	-	3	-	-	3	-
Collar, -	-	5	-	-	5	-	-	5	-	-	4½	-
Stay, cabled, -	-	6	-	-	6	-	-	6	-	-	5¾	-
Stay-sail Stay, cabled, -	-	4½	-	-	4½	-	-	4½	-	-	4	-
Breast Back-stays, -	1 pair	5½	-	1 pair	5½	-	1 pair	5½	-	1 pair	5½	-
Futtuck Shrouds, cabled, -	-	5½	-	-	5½	-	-	5½	-	-	5	-
Ratline, -	-	1½	-	-	1½	-	-	1½	-	-	1½	-
Top-rope Pendants, -	-	6	-	-	6	-	-	6	-	-	6	-
Do. Falls, -	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Tye, -	-	5	-	-	5	-	-	5	-	-	4½	-
Halliards, -	-	3	-	-	3	-	-	3	-	-	2¾	-
Horses, -	-	3	-	-	3	-	-	3	-	-	3	-
Stirrups, -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Braces, -	-	2½	-	-	2½	-	-	2½	-	-	2½	-

FRIGATES.			SLOOPS.						BRIGS.			SCHOONERS.		
SECOND CLASS.			FIRST CLASS.			SECOND CLASS.								
No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
-	2½	-	-	2½	-	-	2½	-						
-	4	-	-	3½	-	-	3	-						
-	2½	-	-	2½	-	-	2	-						
-	3½	-	-	3	-	-	2¾	-						
-	2¾	-	-	2¾	-	-	2½	-						
-	4	-	-	3¾	-	-	3½	-						
-	2¾	-	-	2¾	-	-	2½	-						
-	3½	-	-	3½	-	-	3	-						
-	4¾	-	-	4½	-	-	4	-						
-	4	-	-	3½	-	-	3½	-						
4 pair	4½	-	3 pair	4½	-	3 pair	4	-						
-	2½	-	-	2¾	-	-	2½	-						
-	1	-	-	1	-	-	1	-						
2 pair	5	-	1 pair	4½	-	1 pair	4½	-						
-	2¾	-	-	2½	-	-	2½	-						
-	4	-	-	3¾	-	-	3½	-						
-	5½	-	-	4¾	-	-	4½	-						
-	4	-	-	3¾	-	-	3½	-						
1 pair	4¾	-	1 pair	4½	-	1 pair	4½	-						
-	4½	-	-	4½	-	-	4	-						
-	1	-	-	1	-	-	1	-						
-	5½	-	-	5½	-	-	5	-						
-	3	-	-	3	-	-	3	-						
-	4	-	-	3¾	-	-	3¾	-						
-	2½	-	-	2½	-	-	2½	-						
-	2¾	-	-	2¾	-	-	2½	-						
-	2	-	-	2	-	-	2	-						
-	2½	-	-	2½	-	-	2	-						

BOATSWAIN'S DEPARTMENT.	SHIPS OF THE LINE OF									FRIGATES.		
	THREE DECKS.			TWO DECKS.						FIRST CLASS.		
				FIRST CLASS.			SECOND CLASS.					
	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
MIZEN-TOP-MAST.—Cont'd.												
Lifts, - - -	-	3½	-	-	3½	-	-	3½	-	-	3	-
Reef Tackle Pendants,	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Sheets, double, -	-	5	-	-	5	-	-	5	-	-	4½	-
Stay-sail Halliards, -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Do. Sheets, - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Tacks, - - -	-	2	-	-	2	-	-	2	-	-	2	-
Clewlines, - - -	-	3	-	-	3	-	-	3	-	-	3	-
Buntlines, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Bowlines, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Bridles, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
MIZEN-TOP-GALLANT-MAST.												
Shrouds, cabled, -	3 pair	3	-	3 pair	3	-	3 pair	2½	-	3 pair	2½	-
Laniards, - - -	-	1½	-	-	1½	-	-	1½	-	-	1½	-
Back-stays, cabled, -	1 pair	3½	-	1 pair	3½	-	1 pair	3½	-	1 pair	3½	-
Stay, - do. -	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Tye, - - -	-	3½	-	-	3½	-	-	3½	-	-	3	-
Halliards, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Horses, - - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Braces, - - -	-	2	-	-	2	-	-	2	-	-	2	-
Lifts, single, - -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
Clewlines, - - -	-	2	-	-	2	-	-	2	-	-	2	-
Buntlines, - - -	-	1½	-	-	1½	-	-	1½	-	-	1½	-
Top-gallant Sheets, -	-	2½	-	-	2½	-	-	2½	-	-	2½	-
STOPPERS, &c.												
Deck-stops for Cable, cab.	-	10	-	-	10	-	-	10	-	-	10	-
Wing, do. do. -	-	8	-	-	8	-	-	7½	-	-	7½	-

FRIGATES.			SLOOPS.						BRIGS.			SCHOONERS.		
SECOND CLASS.			FIRST CLASS.			SECOND CLASS.								
No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
-	3	-	-	2 $\frac{5}{8}$	-	-	2 $\frac{1}{2}$	-						
-	3	-	-	2 $\frac{7}{8}$	-	-	2 $\frac{1}{2}$	-						
-	4	-	-	3 $\frac{1}{4}$	-	-	3 $\frac{1}{2}$	-						
-	2	-	-	1 $\frac{7}{8}$	-	-	1 $\frac{3}{4}$	-						
-	2	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{1}{2}$	-						
-	2	-	-	1 $\frac{5}{8}$	-	-	1 $\frac{1}{2}$	-						
-	2 $\frac{1}{2}$	-	-	2 $\frac{3}{8}$	-	-	2 $\frac{1}{4}$	-						
-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{4}$	-	-	2 $\frac{1}{4}$	-						
-	2 $\frac{1}{2}$	-	-	2	-	-	2	-						
-	2 $\frac{1}{2}$	-	-	2	-	-	2	-						
3 pair	2 $\frac{1}{2}$	-	2 pair	2 $\frac{1}{2}$	-	2 pair	2 $\frac{1}{2}$	-						
-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-						
1 pair	3	-	1 pair	2 $\frac{5}{8}$	-	1 pair	2 $\frac{1}{2}$	-						
-	3	-	-	2 $\frac{7}{8}$	-	-	2 $\frac{3}{4}$	-						
-	2 $\frac{3}{4}$	-	-	2 $\frac{5}{8}$	-	-	2 $\frac{1}{2}$	-						
-	2	-	-	2	-	-	2	-						
-	2	-	-	2	-	-	2	-						
-	1 $\frac{3}{4}$	-	-	1 $\frac{5}{8}$	-	-	1 $\frac{1}{2}$	-						
-	2 $\frac{1}{2}$	-	-	2 $\frac{1}{2}$	-	-	2	-						
-	2	-	-	1 $\frac{3}{4}$	-	-	1 $\frac{1}{2}$	-						
-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-	-	1 $\frac{1}{2}$	-						
-	2	-	-	1 $\frac{7}{8}$	-	-	1 $\frac{3}{4}$	-						
-	9	-	-	7	-	-	7	-	-	6				
-	7	-	-	7	-	-	6	-	-	5				

BOATEWAIN'S DEPART- MENT.	SHIPS OF THE LINE OF									FRIGATES.		
	THREE DECKES.			TWO DECKES.						FIRST CLASS.		
				FIRST CLASS.			SECOND CLASS.					
	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
STOPPERS, &c.—Continued.												
Bitts, - - - -	-	7	-	-	7	-	-	7	-	-	6	-
Laniards, - - -	-	3½	-	-	3½	-	-	3½	-	-	3½	-
Shank Painters, - -	-	8	-	-	8	-	-	8	-	-	7	-
Cat-head Stoppers, -	-	9	-	-	9	-	-	9	-	-	9	-
Wheel or Tiller, -	-	4½	-	-	4½	-	-	4½	-	-	4½	-
Buoy Slings, - -	-	4	-	-	4	-	-	4	-	-	4	-
Rudder Pendants, -	-	7	-	-	7	-	-	7	-	-	7	-

FRIGATES.			SLOOPS.						BRIGS.			SCHOONERS.		
SECOND CLASS.			FIRST CLASS.			SECOND CLASS.								
No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.	No.	Size. Inches.	Length.
-	6	-	-	6	-	-	5	-	-	4½	-			
-	3	-	-	3	-	-	3	-	-	2½	-			
-	7	-	-	6	-	-	5½	-	-	5	-			
-	8	-	-	7	-	-	6	-	-	5½	-			
-	4	-	-	3½	-	-	3½	-	-	3	-			
	3½	-	-	3½	-	-	3½	-	-	8	-			
	6	-	-	5½	-	-	5	-	-	4½	-			